

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2020-21

Action Report

“Importance of Earthing” this Value added course is made mandatory for B.Sc. final year students. The committee was established at the beginning of the year 2020-21. The total 11 students and a team of three faculties of department of physics was involved in this course. This value added courses (one month) has been run during this year. The technical information was given to the students. The detailed information about the ‘Importance of Earthing’ were given to the admitted student.

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)


Department- Physics

Value Added Course

Year: 2020-21

Constitution of Committee

During the academic year 2020-21 the Department of Physics runs the Value added Course named "Importance Of Earthing " for B.Sc. III students.


Head
Department of Physics
Arts, Science & Commerce College,
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Value Added Course Syllabus

Importance of Earthing

Sr. No	Topics
1.	What is earthing?
2.	Necessity of earthing
3.	Types of earthing

Cordinator

Head,

Rayat Shikshan Sanstha's

Dr. Patnagrao Kadam Mahavidyalya, Ramanandnagar (Burli)

Department- Physics

Value Added Course

Importance of Earthing

Year: 2020-21

Objectives

- ❖ To make availability of self employability.
- ❖ To develop confidence for doing job.
- ❖ To develop skills required for job.
- ❖ To develop knowledge of home equipments.
- ❖ To make the students aware about the process of earthing
- ❖ To create awareness in the society about importance of earthing and its benefits to the different instruments.
- ❖ To make the students able to escape mishap due to short circuits

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics
Value Added Course

Year: 2020-21

Annual Planning

Sr. No.	Month	Particulars
1.	August	
2.	September	
3.	October	
4.	November	
5.	December	
6.	January	
7.	February	
8.	March	To prepare the constitution of the committee and call for the meeting
9.	April	Distribution of the syllabus to concerned faculty.
10.	May	
11.	June	Lectures and Practicals
12.	July	Meeting of the committee about the syllabus completion and arrangement of Exam
13.	August	Take exam of all students and check the answer sheets

Q. Raut

Head

Department of Physics
Arts, Science & Commerce College
Ramanandnagar (Burli)

Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics


Value Added Course

Year: 2020-21

Notice

All the B.Sc. III students are hereby informed that, Department of Physics is going to conduct a 1 month value added course named "Importance of Earthing". This course is free of cost and students will receive certificate on successful completion of Course. Students are requested to meet Ms. Kamble N. J before 30/07/2020 to Know more details about the course.


Co-ordinator


Head
Department of Physics
Arts, Science & Commerce College,
Ramanandnagar (Burli)
Dept. of Physics

Rayat Shikshan Sanstha's

**Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)**

Department- Physics

Value Added Course

Year: 2020-21

Proceeding of Meeting No.-01

Date: 26/04/2021

Meeting of the committee members was held in the department on 25/04/2021 at 04.00pm. The following findings were made.

- 1) Value added course is run by the department of Physics A.S.C. College Ramanandnagar (Burli), Shivaji University, Kolhapur. So it is necessary to get the permission to conduct the course.
- 2) If the permission is granted then the courses will be launched to B.Sc. III year student.
- 3) These courses will be held free of cost and certificates will be provided after successful completion of course.
- 4) Discussed about the syllabus distribution and the preparation of time table.

Following member were present for the meeting


Chairman: Ms. Kamble N. J

Member: Dr. Raut.V.S.

Dr. Patil G. R

Signature







Rayat Shikshan Sanstha's

Arts, Science and Commerce College, Ramanandnagar (Burli)


Department- Physics

Value Added Course – Time Table

Year: 2020-21

Sr. No.	Day	Time	Theory/ Practical	Name of the Teacher
1	Friday	01:40pm to 02:30pm	Theory	Miss. Kamble N. J
		02:30pm to 05:00pm	Practical	Mrs. Patil G. R Miss. Kamble N. J
2	Saturday	01:40pm to 02:30pm	Theory	Mr. Patil G. R
		02:30pm to 05:00pm	Practical	Mrs. Patil G. R Miss. Kamble N.J


Coordinator


Head
Department of Physics
Arts, Science & Commerce Coll
Ramanandnagar (Burli)
Dept. of Physics

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Value Added Course

"Importance of Earthing"

List of students for Year : 2020-21

Sr. No.	Roll. No.	Name of the student	Gender
1	1906	Chavan Amruta Aravind	F
2	1907	Diwan Rahul Vijay	M
3	1908	Howal Sushant Vijay	M
4	1909	Kamble Nishikant Sanjay	M
5	1910	Lohar Tejashri Siddhu	F
6	1911	Mithari Vijaykumar Sudhakar	M
7	1912	Patil Vaibhav Dinkar	M
8	1913	Patil Vaishnavi Dipak	F
9	1914	Sawant Megha Dinkar	F
10	1915	Tirmare Pratiksha Sharad	F
11	1916	Turai Deepak Ravsaheb	F



Co-Coordinator
(Miss. Kamble N.J)



Head
Department of Physics
Arts, Science & Commerce College
Ramanandnagar, (Burli)

Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2020-21

Notice -02

Dates: 10/07/2021

All the faculty and members of the committee are informed that the value added course committee meeting will held on 12/07/2021 in department at 04:30pm. to discuss following subject.

Agenda:


1. To take the review of the syllabus completion
2. To conduct practical and theory exams as per the guidelines of the department of Adult and Continuing Education & Extension Work, Shivaji University, Kolhapur.


Chairman:Ms.Kamble N.J

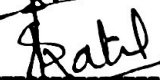
Member: Dr. Raut.V.S.

Dr. Patil G. R

Signature







Rayat Shikshan Sanstha's
Arts, Science and Commerce College, Ramanandnagar (Burli)

Department- Physics

Value added courses

Year: 2020-21

Proceeding of Meeting No-02


Date: 13/07/2021

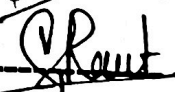
Meeting of the committee members was held in the department on 12/05/2020 at 04.30 pm. The following discussion was made.


1. review syllabus completion and give necessary suggestions to the faculties to complete it.
2. Discussion is made about the conduction of practical and theory exams as per the guidelines of the Karmveer Vidya Prabodhini, Rayat Shikshan Sanstha Satara.

Following members were present for the meeting.

Signature







Chairman: Ms.Kamble N. J

Member: Dr. Raut.V.S.

Dr. Patil G. R

Value Added Course - Student Attendance

Sr. No	Roll. No.	Name of the Student	Date															
			4th June 2021 (P)	4th June 2021 (T)	4th June 2021 (P)	5th June 2021 (P)	11th June 2021 (T)	11th June 2021 (P)	11th June 2021 (P)	12th June 2021 (P)	18th June 2021 (T)	18th June 2021 (P)	19th June 2021 (P)	19th June 2021 (P)				
1	1906	Chavan Amruta Aravind	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	1907	Diwan Rahul Vijay	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
3	1908	Howal Sushant Vijay	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
4	1909	Kamble Nishikant Sanjay	P	P	A	P	P	A	P	P	P	P	P	P	P	P	P	P
5	1910	Lohar Tejashri Siddhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	1911		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	1912	Patil Vaibhav Dinkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	1913	Patil Vaishnavi Dipak	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	1914	Sawant Megha Dinkar	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	1915	Tirmare Pratiksha Sharad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	1916	Turai Deepak Raysaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

K. K. Kulkarni

Coordinator

Rayat Shikshan Sanstha's
ARTS, SCIENCE & COMMERCE COLLEGE, Ramanandnagar (Burlii)
 Dept. of Physics
 Academic Year 2020-21
 CLASS B.Sc. III YEAR

Value Added Course - Student Attendance

Sr. No	Roll. No.	Name of the Student	Date																
			4th June 2021 (P)	4th June 2021 (T)	5th June 2021 (P)	5th June 2021 (T)	11th June 2021 (P)	11th June 2021 (T)	12th June 2021 (P)	12th June 2021 (T)	18th June 2021 (P)	18th June 2021 (T)	19th June 2021 (P)	19th June 2021 (T)	25th June 2021 (P)	25th June 2021 (T)	26th June 2021 (P)	26th June 2021 (T)	30th June 2021 (P)
1	1906	Chavan Amruta Aravind	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P
2	1907	Diwan Rahul Vijay	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P
3	1908	Howal Sushant Vijay	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P
4	1909	Kamble Nishikant Sanjay	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	1910	Lohar Tejashri Siddhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	1911		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	1912	Patil Vaibhav Dinkar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	1913	Patil Vaishnavi Dipak	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P
9	1914	Sawant Megha Dinkar	A	A	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P
10	1915	Tirmare Pratiksha Sharad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	1916	Turai Deepak Ravsaheb	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

K. K. Kulkarni
 Coordinator

Rayat Shikshan Sanstha's
Dr. Patnagrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics

Value Added Course Theory Examination 2020-21

Importance of Earthing

Name of the Student :

Date :

Roll No:

Total Marks : 20

Class :

Time : 11:30 to 12:00 pm

PRN:

Marks obtained :

- Instructions : 1. Each question carries two marks**
2. All questions are mandatory.

1. Most of the substations in the power system changeof electric supply.

- A. Current level
C. Both A and B

- B. Voltage level
D. None of the above

2. Earthing is necessary to give protection against

- A. Danger of electric shock
C. Overloading

- B. Voltage fluctuation
D. High temperature of the conductors

3. Solid grounding is adopted for voltages below

- A. 100 V
C. 660 V

- B. 200 V
D. 400 V

4. The advantage of neutral earthing is.....

- A. Freedom from persistent arcing grounds
C. Simplified design earth fault protection

- B. safety of personnel
D. All of the above

5. In a star connected system without neutral grounding, zero sequence currents are

- A. Zero
C. Same as r.m.s. value of phase currents

- B. Phaser sum of phase currents
D. Same as peak value of phase currents

6. The over voltage surge in power systems may be caused by

- A. Lightning
- C. Switching

- B. Resonance
- D. All of the above

7. The neutral wire is coloured

- A. Red
- C. Black

- B. Blue
- D. Yellow

8. Grounding transformer is used where neutralavailable

- A. Is
- C. Either A or B

- B. Is not
- D.. None of the above

9. The ground wire is coloured

- A. Green
- C. Yellow

- B. Black
- D. Red

10. Following equipment is used to limit short circuit current level in a Sub Station.....

- A. Isolator
- C. Coupling capacitor

- B. Lightning switch
- D. Series reactor

SPACE FOR ROUGH WORK

Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department of Physics


Value Added Course


"Importance of Earthing"

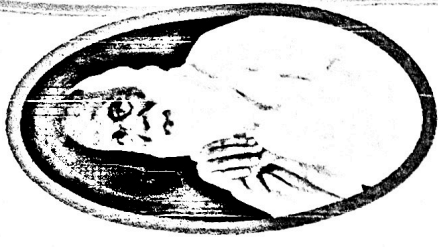
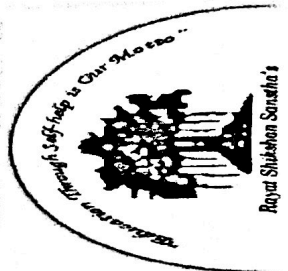
Final Result

2020-21

Sr. No.	Roll. No.	Name of the student	Marks obt. out of 20
1	1906	Chavan Amruta Aravind	20
2	1907	Diwan Rahul Vijay	18
3	1908	Howal Sushant Vijay	20
4	1909	Kamble Nishikant Sanjay	18
5	1910	Lohar Tejashri Siddhu	20
6	1911	Mithari Vijaykumar Sudhakar	18
7	1912	Patil Vaibhav Dinkar	18
8	1913	Patil Vaishnavi Dipak	18
9	1914	Sawant Megha Dinkar	18
10	1915	Tirmare Pratiksha Sharad	20
11	1916	Turai Deepak Ravsaheb	20


Co-Coordinator
(Miss. Kamble N.J)


Head
Department of Physics
Arts, Science & Commerce College,
Ramanandnagar (Burli)



Rayat Shikshan Sanstha's
ARTS, SCIENCE AND COMMERCE COLLEGE,
RAMANANDNAGAR (BURLI)
Tal- Palus, Dist- Sangli

CERTIFICATE

This is to certify that *Mr./Miss./Mrs.*

*of B.Sc.III Physics has successfully completed the Value added Course
"Importance of the Earthing" in the year 2020-21.*

Co- coordinator

Head

Department of Physics.

Principal

Rayat Shikshan Sanstha's

Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar (Burli)

Department- Physics

Value added course

Year: 2020-21

Experiential feelings

After completion of the short term course- "Maintenance and Repairs of Electric Domestic Appliances" and value added course "Importance of Earthing", the students admitted to this course gained fruitful knowledge about maintenance and repairing of electric appliances and importance of earthing to the devices. Because of the lack of information about appliances, several mishaps are caused. The students gave proper information about these appliances to people in the society. All students went home to home and shared knowledge regarding the electric appliances.

The handling of the appliances is very easy with prior knowledge of how devices work, therefore it is necessary to know about the appliances. This was achieved by this short term course and value added course togetherly.